

## ABSTRACT OF THE DISCLOSURE

An RFID transponder programming uses a strip transmission line to generate a constrained electromagnetic field for programming RFID transponders is featured. The programmer minimizes electromagnetic fields outside of the programming device, and keeps other blank transponders from being wrongly programmed or erased. The transmission line may either be terminated or unterminated. The characteristic impedance of the strip transmission line may be 50 ohms or any other impedance. Since the strip transmission line is terminated in its own characteristic impedance, the programmer is inherently wideband and able to work with frequencies from 433 MHz to 869 MHz, 902 to 928 MHz, and 2400 to 2485 MHz, all in the same unit.